

Diamond spray joke Magic, polycrystalline

Print date 03.04.2023

Revision date 03.04.2023

Version 1.0 (en)



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name/designation Diamond spray joke Magic, polycrystalline

1.2 Relevant identified uses of the substance or mixture and uses advised against

Sector of uses [SU]

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU3 Industrial uses

Product Categories [PC]

PC24 Lubricants, greases, release products

1.3 Details of the supplier of the safety data sheet

Supplier

joke Technology GmbH
Asselborner Weg 14-16
D-51249 Bergisch Gladbach
Telephone +49 (0) 22 04 / 8 39-0
Telefax +49 (0) 22 04 / 8 39-60
E-mail info@joke.de
Website <https://www.joke-technology.com/>

Department responsible for information:

Telephone +49 (0) 22 04 / 8 39-0

Telefax +49 (0) 22 04 / 8 39-60

E-mail (competent person):

sida@joke.de

1.4 Emergency telephone number

Vergiftungs-I-Z. Freiburg +49 (0) 761 / 1 92 40

REACH and CLP UK CA Help Desk +44 171 635 9191

* SECTION 2: Hazards identification

* 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP] Classification procedure

Aerosol 2, H223 H229

Eye Irrit. 2, H319

Hazard statements for physical hazards

H223 Flammable aerosol.

H229 Pressurised container: May burst if heated.

Hazard statements for health hazards

H319 Causes serious eye irritation.

* 2.2 Label elements

* Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



GHS02



GHS07

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Signal word

Warning

Hazard statements

H223 Flammable aerosol.

H229 Pressurised container: May burst if heated.

H319 Causes serious eye irritation.

* **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P280 Wear protective gloves/protective clothing and eye/face protection.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

* **2.3 Other hazards*** **Adverse physicochemical effects**

Caution! Container under pressure.

Heating may cause explosion.

* **Adverse human health effects and symptoms**

Irritating to eyes.

Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

* **SECTION 3: Composition / information on ingredients****3.1 Substances**

not applicable

* **3.2 Mixtures****Hazardous ingredients**

CAS No.	EC No.	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
64-17-5	200-578-6	ethanol	50 - 100 weight-%	Flam. Liq. 2; H225 Eye Irrit. 2; H319	Eye Irrit. 2; H319: C>=50 ATE(oral): 10470 mg/kg ATE(inhalation vapour): 124.7 mg/L
106-97-8	203-448-7	butane	12.5 - 20 weight-%	Flam. Gas 1; H220 Press. Gas	
74-98-6	200-827-9	propane	5 - 10 weight-%	Flam. Gas 1; H220 Press. Gas	

REACH No.	Substance name
01-2119457610-43-0000	ethanol
01-2119474691-32	butane
01-2119486944-21	propane

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- * **Remark**
Full text of H- and EUH-phrases: see section 16.

* **SECTION 4: First aid measures**

* **4.1 Description of first aid measures**

* **General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

If threatening unconsciousness, position and transport in recovery position

Never give anything by mouth to an unconscious person or a person with cramps.

* **Following inhalation**

Remove casualty to fresh air and keep warm and at rest.

If breathing is irregular or stopped, administer artificial respiration.

* **Following skin contact**

Remove contaminated, saturated clothing immediately.

After contact with skin, wash immediately with plenty of water and soap.

* **After eye contact**

Eye rinsing with water carefully while protecting unhurt eye.

Remove contact lenses, if possible

If eye irritation persists: seek medical attention (eye specialist or occupational physician).

* **Following ingestion**

Rinse mouth immediately and drink plenty of water.

* **4.2 Most important symptoms and effects, both acute and delayed**

* **Symptoms**

Causes severe eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

* **SECTION 5: Firefighting measures**

5.1 Extinguishing media

Suitable extinguishing media

alcohol resistant foam

Extinguishing powder

Carbon dioxide (CO₂)

Water mist

Unsuitable extinguishing media

Full water jet

* **5.2 Special hazards arising from the substance or mixture**

* **Hazardous combustion products**

In the event of fire the following can be released:

Carbon monoxide

Carbon dioxide (CO₂)

Dangerous smoke can arise.

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* **5.3 Advice for firefighters**

* **Special protective equipment for firefighters**

In case of fire: Wear self-contained breathing apparatus.

Protective clothing.

Additional information

Use water spray jet to protect personnel and to cool endangered containers.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

* **SECTION 6: Accidental release measures**

* **6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel

Remove persons to safety.

* **For emergency responders**

Personal protection equipment

Ensure adequate ventilation.

Remove all sources of ignition.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

* **6.2 Environmental precautions**

Do not allow to enter into surface water or drains.

* **6.3 Methods and material for containment and cleaning up**

* **For containment**

Take up with absorbent material.

Sand

Earth

Disposal according to regulations.

6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

* **SECTION 7: Handling and storage**

* **7.1 Precautions for safe handling**

* **Protective measures**

Keep away from sources of ignition - No smoking.

Do not spray on naked flames or any incandescent material.

Avoid:

Eye contact

Skin contact

Do not inhale dust/fumes/aerosols.

Do not force open or burn after use.

* **Advices on general occupational hygiene**

When using do not eat, drink, smoke, sniff.

Wash hands before breaks and after work.

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*** 7.2 Conditions for safe storage, including any incompatibilities***** Requirements for storage rooms and vessels**

Ensure adequate ventilation of the storage area.

Keep container tightly closed.

Storage class

2B Aerosol dispensers and lighters

*** Materials to avoid**

Do not store together with:

Food and feedingstuffs

*** Further information on storage conditions**

Keep only in the original container in a cool, well-ventilated place.

Protect from direct solar radiation.

Protect from heat/overheating.

Storage temperature may not exceed 50°C (=122°F).

*** 7.3 Specific end use(s)***** Recommendation**

This information is not available.

*** SECTION 8: Exposure controls/personal protection***** 8.1 Control parameters***** DNEL worker**

CAS No.	Substance name	DNEL value	DNEL type	Remark
64-17-5	ethanol	8238 mg/kg	long-term dermal (systemic)	
64-17-5	ethanol	380 mg/m ³	long-term inhalative (systemic)	

*** DNEL Consumer**

CAS No.	Substance name	DNEL value	DNEL type	Remark
64-17-5	ethanol	114 mg/m ³	long-term inhalative (systemic)	

*** PNEC**

CAS No.	Substance name	PNEC Value	PNEC type	Remark
64-17-5	ethanol	0.96 mg/L	aquatic, freshwater	
64-17-5	ethanol	0.79 mg/L	aquatic, marine water	
64-17-5	ethanol	2.75 mg/L	aquatic, intermittent release	
64-17-5	ethanol	3.6 mg/kg dw	sediment, freshwater	
64-17-5	ethanol	2.9 mg/kg dw	sediment, marine water	
64-17-5	ethanol	0.63 mg/kg dw	soil	
64-17-5	ethanol	380 mg/kg food	Secondary Poisoning	
64-17-5	ethanol	580 mg/L	sewage treatment plant (STP)	

*** 8.2 Exposure controls**

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* **Appropriate engineering controls**

- * **Technical measures to prevent exposure**
ventilation system

* **Personal protection equipment**

- * **Eye/face protection**
tightly fitting goggles
EN 166

- * **Hand protection**
By long-term hand contact
Suitable material:
EN ISO 374
NBR (Nitrile rubber)
Thickness of the glove material 0,35mm
Breakthrough times and swelling properties of the material must be taken into consideration.

- * **Body protection:**
Protective clothing

- * **Respiratory protection**
Usually no personal respirative protection necessary.

* **SECTION 9: Physical and chemical properties**

* **9.1 Information on basic physical and chemical properties**

- * **Physical state**
Aerosol

Colour
grey

Odour
characteristic

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	not determined		
Boiling point or initial boiling point and boiling range	not determined		
flammability	not determined		
Lower and upper explosion limit	Upper explosion limit 15 Vol-%		
Lower and upper explosion limit	Lower explosion limit 1.3 Vol-%		
Flash point	-50 °C		
Auto-ignition temperature	400 °C		
Decomposition temperature	not determined		
pH	not determined		
Viscosity	not determined		

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	Value	Method	Source, Remark
Solubility(ies)	Water solubility		partially soluble
Partition coefficient n-octanol/water (log value)	-0.31		
Vapour pressure	976.66 mbar (20°C)		
Density and/or relative density	1 g/cm ³		
Relative vapour density	not determined		
particle characteristics	not determined		

*** 9.2 Other information***** Other safety characteristics**

	Value	Method	Source, Remark
Solvent content	99 %		

*** SECTION 10: Stability and reactivity****10.1 Reactivity**

Gases / vapours, highly flammable

*** 10.2 Chemical stability**

stable

The product is chemically stable under recommended conditions of storage, use and temperature.

*** 10.3 Possibility of hazardous reactions**

Danger of bursting container.

Ignition hazard

*** 10.4 Conditions to avoid**

High temperatures, ignition sources, incompatible materials

10.5 Incompatible materials

Alkali (lye), concentrated

Acid, concentrated

Oxidising agent, strong

*** 10.6 Hazardous decomposition products**

No known hazardous decomposition products.

In case of fire: carbon monoxide and carbon dioxide.

*** SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008***** Acute toxicity***** Animal data**

	Effective dose	Method, Evaluation	Source, Remark
Acute oral toxicity	CAS No.64-17-5 ethanol LD50: 10470 mg/kg Species Rat		
Acute dermal toxicity	not determined		

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	Effective dose	Method, Evaluation	Source, Remark
Acute inhalation toxicity	CAS No. 64-17-5 ethanol Acute inhalation toxicity (vapour) LC50: 124.7 mg/L Species Rat Exposure time 4 h		

* **Assessment/classification**

Based on available data, the classification criteria are not met.

* **Skin corrosion/irritation*** **Assessment/classification**

Based on available data, the classification criteria are not met.

* **Serious eye damage/irritation****Animal data**

Result / Evaluation	Method	Source, Remark
Causes serious eye irritation.		

* **Sensitisation to the respiratory tract*** **Assessment/classification**

Based on available data, the classification criteria are not met.

* **Skin sensitisation*** **Assessment/classification**

Based on available data, the classification criteria are not met.

* **Germ cell mutagenicity*** **Assessment/classification**

Based on available data, the classification criteria are not met.

* **Carcinogenicity*** **Assessment/classification**

Based on available data, the classification criteria are not met.

* **Reproductive toxicity*** **Assessment/classification**

Based on available data, the classification criteria are not met.

* **STOT-single exposure*** **STOT SE 1 and 2*** **Assessment/classification**

Based on available data, the classification criteria are not met.

* **STOT-repeated exposure*** **Assessment/classification**

Based on available data, the classification criteria are not met.

* **Aspiration hazard*** **Assessment/classification**

Based on available data, the classification criteria are not met.

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**11.2 Information on other hazards**

No data available

*** SECTION 12: Ecological information***** 12.1 Toxicity***** Aquatic toxicity**

	Effective dose	Method, Evaluation	Source, Remark
Acute (short-term) fish toxicity	CAS No.64-17-5 ethanol LC50: 14200 mg/L Species Pimephales promelas (fathead minnow) Test duration 4 d		
Chronic (long-term) fish toxicity	CAS No.64-17-5 ethanol NOEC 250 mg/L Species Danio rerio (zebrafish) Test duration 5 d		
Acute (short-term) toxicity to crustacea	CAS No.64-17-5 ethanol EC50 5012 mg/L Species Ceriodaphnia spec Test duration 2 d		
Chronic (long-term) toxicity to aquatic invertebrate	CAS No.64-17-5 ethanol NOEC 9.6 mg/L Species Daphnia magna (Big water flea) Test duration 10 d		
Acute (short-term) toxicity to algae and cyanobacteria	CAS No.64-17-5 ethanol EC50 275 mg/L Species Chlorella vulgaris Test duration 3 d		
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		

*** Assessment/classification**

Based on available data, the classification criteria are not met.

*** 12.2 Persistence and degradability**

	Value	Method	Source, Remark
Biodegradation	Degradation rate 84 % Test duration 20 d		CAS No.64-17-5 ethanol Readily biodegradable (to OECD criteria)

*** 12.3 Bioaccumulative potential***** Assessment/classification**

Based on available data, the classification criteria are not met.

*** 12.4 Mobility in soil***** Assessment/classification**

Based on available data, the classification criteria are not met.

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**12.5 Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

No data available

*** SECTION 13: Disposal considerations***** 13.1 Waste treatment methods***** Waste codes/waste designations according to EWC/AVV**

Waste code product	Waste name
160505	gases in pressure containers other than those mentioned in 16 05 04
Waste code packaging	Waste name
150104	metallic packaging

Appropriate disposal / Product

Dispose of waste according to applicable legislation.

Appropriate disposal / Package

Dispose of according to official regulations.

*** Remark**

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

*** SECTION 14: Transport information**

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	UN 1950	UN 1950	UN 1950
14.2 UN proper shipping name	AEROSOLS	AEROSOLS	Aerosols, flammable
14.3 Transport hazard class(es)	2.1	2.1	2.1
14.4 Packing group	-	-	-
14.5 Environmental hazards	No	No	No

14.6 Special precautions for user

No data available

14.7 Maritime transport in bulk according to IMO instruments

No data available

Land transport (ADR/RID)

UN number or ID number	UN 1950
UN proper shipping name	AEROSOLS
Transport hazard class(es)	2.1
Hazard label(s)	2.1
Classification code	5F

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Packing group	-
Environmental hazards	No
Limited quantity (LQ)	1 L
Special provisions	190, 327, 344, 625
Tunnel restriction code	D

Sea transport (IMDG)

UN number or ID number	UN 1950
UN proper shipping name	AEROSOLS
Transport hazard class(es)	2.1
Packing group	-
Environmental hazards	No
Limited quantity (LQ)	1 L
Marine pollutant	No
EmS	F-D, S-U

Air transport (ICAO-TI / IATA-DGR)

UN number or ID number	UN 1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	2.1
Packing group	-
Environmental hazards	No

*** SECTION 15: Regulatory information**

*** 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

*** Other regulations (EU)**

*** To follow:**

Contains no REACH candidate substance.

Contains no substance listed in REACH Annex XIV.

*** Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive] VOC**

VOC-value 694 g/L

*** 15.2 Chemical Safety Assessment**

*** National regulations**

A chemical safety assessment was not carried out.

*** SECTION 16: Other information**

*** Indication of changes**

* Data changed compared with the previous version

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Abbreviations and acronyms

REACH: Registration, Evaluation and Authorization of Chemicals
SU: use category
PC: Products category
CLP: Classification, Labelling and Packaging
Aerosol 2: Aerosols, Category 2
Eye Irrit. 2: Eye irritation, Category 2
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
PBT: persistent and bioaccumulative and toxic
vPvB: very persistent, very bioaccumulative
CAS: Chemical Abstracts Service
SCL: Specific concentration limit
ATE: Acute Toxicity Estimate
Flam. Liq. 2: Flammable Liquids, Category 2
Press. Gas (Comp.): Compressed gas (CG)
CO₂: Carbon dioxide
TRGS: Technical Rules for Hazardous Substances
DNEL: derived no-effect level
PNEC: Predicted No Effect Concentration
STP: sewage treatment plant
DIN: German Institute for Standardization / German Industrial Standard
EN: European Standard
LD₅₀: Lethal (fatal) Dose 50%
LC₅₀: Lethal (fatal) Concentration 50%
NOEC: No Observed Effect Concentration
EC₅₀: Effective Concentration 50%
OECD: Organisation for Economic Cooperation and Development
AVV: Waste Shipment Ordinance (DE)
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
RID: Dangerous goods regulations for transport by rail
IMDG: International Maritime Dangerous Goods
ICAO: International Civil Aviation Organization
IATA: International Air Transport Association
DGR: Dangerous Goods Regulations (IATA)
VOC: Volatile organic compounds
WGK: water hazard class

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Key literature references and sources for data

Datasheets of the manufacturer
European Chemicals Agency, <http://echa.europa.eu/>.

Additional information

National and local regulations concerning chemicals shall be observed.
The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Relevant H- and EUH-phrases (Number and full text)

H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.

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Indication of changes

* Data changed compared with the previous version